

J605 RECEIVED APR 11 2002

FORM PTO-1390

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NUMBER

PHRM-0373

#3

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371**

U.S. APPLICATION NO. (if known see 37 C.F.R. 1.5)
10/019,980

INTERNATIONAL APPLICATION NO.
PCT/EP00/06609INTERNATIONAL FILING DATE
03 July 2000PRIORITY DATE CLAIMED
09 July 1999**TITLE OF INVENTION TANKYRASE HOMOLOG PROTEIN (THP), NUCLEIC ACIDS, AND METHODS RELATED TO THE SAME****APPLICANT(S) FOR DO/EO/US Jens BERTHELSEN, Salvatore TOMA and Antonella ISACCHI**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. has been transmitted by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US)
6. A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. have been transmitted by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. An oath or declaration of the inventor(s) 35 U.S.C. 371(c)(4).
10. A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

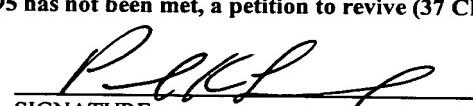
Items 11. to 16. below concern other document(s) or information included:

11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. A **FIRST** preliminary amendment.
 A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. A substitute specification.
15. A change of power of attorney and/or address letter.
16. Other items or information:
 - Transmittal Letter submitting Sequence Listing.
 - Statement to Support Filing and Submission of Sequence Listing.
 - Sequence Listing in written (15 sheets) and computer readable form (1 diskette).
 - Copy of Notification of Missing Requirements.
 - 1 return postcard.

EXPRESS MAIL Mailing Label No. EL 909207245 US
Date of Deposit: 11 April 2002

EL 909207245 US

Rec'd PCT/AUTO 11 APR 2002

| | | | | |
|---|---|---|------------|-----------|
| U.S. APPLICATION NO. (if known 37 C.F.R. 1.5) 10/019,980 | INTERNATIONAL APPLICATION NO. PCT/EP00/06609 | ATTORNEY DOCKET NUMBER PHRM-0373 | | |
| <p>17. The following fees are submitted:</p> <p>Basic National Fee (37 CFR 1.492(a)(1) - (5)):</p> <p>Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO.....\$1,040.00</p> <p>International preliminary examination fee (37 CFR 1.482 not paid to USPTO but International Search Report has been prepared by the EPO or JPO).....\$890.00</p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO.....\$740.00</p> <p>International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4).....\$710.00</p> <p>International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4).....\$100.00</p> | | <u>CALCULATIONS</u> <u>PTO USE ONLY</u> | | |
| ENTER APPROPRIATE BASIC FEE AMOUNT = | | \$ | | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than <u>20</u> <u>X</u> 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | | \$130.00 | | |
| Claims | Number Filed | Number Extra | Rate | |
| Total claims | 64- 20 = | 44 | X \$18.00 | \$ 792.00 |
| Independent Claims | 5- 3 = | 2 | x \$84.00 | \$ 168.00 |
| Multiple dependent claims(s) (if applicable) | | | + \$280.00 | \$ 280.00 |
| | | TOTAL OF ABOVE CALCULATIONS = | \$1,370.00 | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by $\frac{1}{2}$. | | \$ | | |
| | | SUBTOTAL = | \$1,370.00 | |
| Processing fee of \$130.00 for furnishing the English translation later the <u>20</u> <u>X</u> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | + | \$ | |
| | | TOTAL NATIONAL FEE = | \$1,370.00 | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property | | + | \$ 40.00 | |
| 0/16/2002 LLANDGRA 00000096 10019980 | | TOTAL FEES ENCLOSED = | \$1,410.00 | |
| FC:154 | 130.00 OP | | | |
| FC:986 | 792.00 OP | | | |
| FC:984 | 168.00 OP | | | |
| FC:988 | 280.00 OP | | | |
| | | Amount to be: refunded | \$ | |
| | | charged | \$ | |
| <p>a. <input checked="" type="checkbox"/> A check in the amount of <u>\$ 1,410.00</u> to cover the above fee is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. 23-3050 in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner if hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-3050. A duplicate copy of this sheet is enclosed.</p> | | | | |
| <p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p> | | | | |
| <p>SEND ALL CORRESPONDENCE TO:</p> <p>Mark DeLuca Woodcock Washburn LLP One Liberty Place - 46th Floor Philadelphia, PA 19103 (215) 568-3100</p> <p> SIGNATURE</p> <p>Paul K. Legaard NAME</p> <p>38,534 REGISTRATION NUMBER</p> | | | | |



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents, Box PCT
 United States Patent and Trademark Office
 Washington, D.C. 20231
www.uspto.gov

mi/pk

| | | | |
|-----------------------------|-----------------------|-------------------------------|---------------|
| U.S. APPLICATION NUMBER NO. | FIRST NAMED APPLICANT | ATTY. DOCKET NO. | |
| 10/019,980 | Jens Berthelsen | PHRM-0373 | |
| | | INTERNATIONAL APPLICATION NO. | |
| | | PCT/EP00/06609 | |
| | | I.A. FILING DATE | PRIORITY DATE |
| | | 07/03/2000 | 07/09/1999 |
| | | CONFIRMATION NO. 9431 | |
| | | 371 FORMALITIES LETTER | |
| | | *OC00000007707372* | |

Mark DeLuca
 Woodcock Washburn
 One Liberty Place - 46th Floor
 Philadelphia, PA 19103

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APR 01 2002

Woodcock Washburn Kurtz
 Philadelphia LLP

Date Mailed: 03/27/2002

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- U.S. Basic National Fees
- Priority Document
- Biochemical Sequence Listing
- Copy of IPE Report
- Copy of references cited in ISR
- Copy of the International Application
- Copy of the International Search Report
- Request for Immediate Examination

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APR 01 2002

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The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- \$130 Surcharge for providing the oath or declaration later than the appropriate 30 months months from the priority date (37 CFR 1.492(e)) is required.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTH FROM THE DATE OF THIS NOTICE OR BY 22 or 32 MONTHS (where 37 CFR 1.495 applies) FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Additionally the following defects have been observed:

The following items **MUST** be furnished within the period set forth below:

- The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):

- A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e).
- A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing."
- **APPLICANT MUST PROVIDE:**
 - An initial or substitute computer readable form (CRF) of the "Sequence Listing."
 - An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification.
 - A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d).
- For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:
 - For Rules Interpretation, call (703) 308-4216
 - To Purchase PatentIn Software, call (703) 306-2600
 - For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov
- Additional claim fees of **\$988** as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

SUMMARY OF FEES DUE:

Total additional fees required for this application is **\$1118** for a Large Entity:

- **\$130** Late oath or declaration Surcharge.
- Total additional claim fee(s) for this application is **\$988**
 - **\$168** for 2 independent claims over 3.
 - **\$540** for 30 total claims over 20.
 - **\$280** for multiple dependant claims surcharge.
- A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e).
- A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing."

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

BARBARA A CAMPBELL

Telephone: (703) 305-3631

PART 1 - ATTORNEY/APPLICANT COPY

| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |
|-----------------------------|-------------------------------|------------------|
| 10/019,980 | PCT/EP00/06609 | PHRM-0373 |

FORM PCT/DO/EO/905 (371 Formalities Notice)

#5

PHRM-0373

Rec'd PCT/PTO 11 APR 2002

IN THE UNITED STATES RECEIVING OFFICE
Before the United States Receiving Office
for the Patent Cooperation Treaty

In re application of:

Jens BERTHELSEN, et al.

U.S. Serial No.: 10/019,980

International Filing Date: 03 July 2000

For: TANKYRASE HOMOLOG PROTEIN (THP), NUCLEIC ACIDS, AND METHODS
RELATED TO THE SAME

Assistant Commissioner for Patents
BOX PCT DO/EO/US
Washington, DC 20231

TRANSMITTAL LETTER SUBMITTING SEQUENCE LISTING

Applicant submits herewith the Sequence Listing in written (15 sheets) and computer readable form (1 diskette), the contents of which are the same.

The enclosed Sequence Listing does not go beyond the disclosure in the international application as filed.

Respectfully submitted,



Paul K. Legaard
Registration No. 38,534

/vc

Enc.: 1 Diskette ; 15 sheets sequence listing
Date: 11 April 2002
WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia, PA 19103
(215) 568-3100